

FORM PTO-1449 (REV. 7-80)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO.	SERIAL NO.
		INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use several sheets if necessary)</i>		QCPA990482	09/382,438
		<b>MAIL DATE CANCELLED</b> JUN 13 2000		APPLICANT GARDNER, ET AL.	JUN 27 2000
DATE MAILED: 6/21/00				FILING DATE 8/25/99	GROUP 2731
<b>RECEIVED</b>					

U.S. PATENT DOCUMENTS													
*EXAMINE R INITIAL	DOCUMENT NUMBER							DATE	NAME		CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
DJR	A1	5	4	1	4	7	9	6	5/9/95	Jacobs, et al.	395	2.3	1/14/93
DJR	A2	5	1	0	3	4	5	9	4/17/99 P	Gilhousen, et al.	375	1	6/25/90
	A3												
	A4								JUN 23 2000				
	A5												
	A6												
	A7												
	A8												

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	Ref No	DOCUMENT NUMBER			DATE	COUNTRY	NAME		CLASS	SUB CLASS
	B1									
	B2									
	B3									
	B4									
	B5									

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Page, Etc.)

DJR	C1	Eng, et al. "Comparison of Hybrid FDMA/CDMA Systems in Frequency Selective Rayleigh Fading" <b>IEEE J. of Selected Areas of Communications</b> 12(5): 938-951 (1994).
DJR	C2	Foerster, et al. "Analysis of Hybrid Coherent FDMA/CDMA Systems in Ricean Multipath Fading" <b>IEEE Transactions on Communications</b> 45(1): 15-18 (1997).
DJR	C3	Jalali, et al. "Performance Comparison of Direct Spread and Multicarrier CDMA Systems" <b>IEEE</b> : 2042-2046 (1998).

EXAMINER <i>Daniel Rymer</i>	DATE CONSIDERED 15 July 2002
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

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		INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		APPLICANT GARDNER, ET AL.	GROUP 2700	
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B5							

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Page, Etc.)

DJR	C4	Kim, et al. "The Performance Improvement of a Multicarrier DS-CDMA System Using Both Tim-Diversity and Frequency Offset" <b>ETRI J. 21(4): 29-40 (1999).</b>
DJR	C5	Kondo, et al. "Performance of Multicarrier DS CDMA Systems" <b>IEEE Transactions on Communications 44(2): 238-246 (1996).</b>
DJR	C6	Ling, Fuyun "A Matched Filter Bound Analysis of Single- and Multi-Carrier DS CDMA Communications" <b>1997 Asia Pacific Microwave Conference pgs. 161-164.</b>

EXAMINER <i>Donald Ryman</i>	DATE CONSIDERED <i>15 July 2002</i>
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OTHER PRIOR ART (*Including Author, Title, Date, Pertinent Page, Etc.*)

DJR	C7	Lee, et al. "Direct Sequence Spread Spectrum Walsh-QPSK Modulation" <b>IEEE Transactions on Communications 46(9): 1227-1232 (1998).</b>
DJR	C8	Lee, et al. "Performance of a Modified Multicarrier Direct Sequence CDMA System" <b>ETRI J. 19(1): 1-11 (1997).</b>
DJR	C9	Rowitch, et al. "Coded Multicarrier DS-CDMA in the Presence of Partial Band Interference" <b>IEEE pgs. 204-209 (1996).</b>

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DJR	C10	Xu, et al. "On the Performance of Multicarrier RAKE Systems" IEEE pgs. 295-299 (1997).
DJR	C11	Xu, et al. "Performance of Multicarrier DS CDMA Systems in the Presence of Correlated Fading" IEEE pgs. 2050-2054 (1997).
DJR	C12	Ziemer, et al. "Effect of Correlation Between Subcarriers of an MCM/DSSS Communication System" IEEE pgs. 146-150 (1996).

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